

What Is Claimed:

1. An apparatus for adding liquid to a container containing a rolled or stacked absorbent material, said apparatus comprising:
 - a. a source of the liquid,
 - 5 b. a nozzle in fluid communication with said source of the liquid for dispensing the liquid into the container wherein said nozzle includes a dispersal face having an outer perimeter and a center point;
 - c. wherein said dispersal face defines primary apertures located approximately equidistant from said outer perimeter and said center point for dispensing the liquid to the container containing the
10 absorbent material.
2. The apparatus of Claim 1, wherein each of said primary apertures has a predetermined maximum size such that when flow of liquid through said dispersal face is interrupted, the surface tension of the liquid seals said
15 primary apertures and prevents dripping.
3. The apparatus of Claim 1, wherein said outer perimeter of said dispersal face on said nozzle comprises at least one of substantially circular, rectangular, and triangular shapes.
4. The apparatus of Claim 1, wherein said dispersal face further defines
20 secondary apertures between said primary apertures and said outer perimeter for dispensing the liquid to the container containing the absorbent material.
5. The apparatus of Claim 4, wherein the flow rate of the liquid through said secondary apertures is approximately equal to the flow rate of the liquid
25 through said primary apertures.
6. The apparatus of Claim 4, wherein the flow rate of the liquid through said secondary apertures is less than the flow rate of the liquid through said primary apertures.
7. The apparatus of Claim 4, wherein the flow rate of the liquid through said secondary apertures is approximately one-half of the flow rate of the liquid
30 through said primary apertures.
8. The apparatus of Claim 1, wherein said dispersal face further defines a tertiary aperture between said primary apertures and said center point for

dispensing the liquid to the container containing the absorbent material.

9. The apparatus of Claim 7, wherein the flow rate of the liquid through said tertiary aperture is less than the flow rate of the liquid through said primary apertures.

5 10. The apparatus of Claim 7, wherein the flow rate of the liquid through said tertiary aperture is approximately one-tenth of the flow rate of the liquid through said primary apertures.

11. An improved fill system for adding liquid to a container, the improved fill system comprising:

- 10 a. a source of the liquid;
- b. a nozzle in fluid communication with said source of the liquid;
- c. a dispersal face on said nozzle and directed to the container, said dispersal face having a center point, an outer perimeter, an inner-zone located from said center point outward to approximately one-
- 15 third of the distance to said outer perimeter, an outer-zone located from said outer perimeter inward to approximately one-third of the distance to said center point, and a mid-zone located between said outer-zone and said inner-zone;
- d. wherein said dispersal face defines primary apertures in said mid-
- 20 zone for dispersing the liquid to the container from said mid-zone.

12. The improved fill system of Claim 11, wherein each of said primary apertures has a predetermined maximum size such that when flow of liquid through said dispersal face is interrupted, the surface tension of the liquid seals said primary apertures and prevents dripping.

25 13. The improved fill system of Claim 11, wherein said outer perimeter of said dispersal face on said nozzle comprises at least one of substantially circular, rectangular, and triangular shapes.

14. The improved fill system of Claim 11, wherein said dispersal face defines secondary apertures in said outer-zone for dispersing the liquid to the

30 container from said outer-zone.

15. The improved fill system of Claim 14, wherein the flow rate of the liquid through said secondary apertures from said outer-zone is approximately equal to the flow rate of the liquid through said primary apertures from said

mid-zone.

16. The improved fill system of Claim 14, wherein the flow rate of the liquid through said secondary apertures from said outer-zone is less than the flow rate of the liquid through said primary apertures from said mid-zone.
- 5 17. The improved fill system of Claim 14, wherein the flow rate of the liquid through said secondary apertures from said outer-zone is approximately one-half of the flow rate of the liquid through said primary apertures from said mid-zone.
- 10 18. The improved fill system of Claim 11, wherein said dispersal face defines a tertiary aperture in said inner-zone for dispersing the liquid to the container from said inner-zone.
19. The improved fill system of Claim 18, wherein the flow rate of the liquid through said tertiary aperture from said inner-zone is less than the flow rate of the liquid through said primary apertures from said mid-zone.
- 15 20. The improved fill system of Claim 18, wherein the flow rate of the liquid through said tertiary aperture from said inner-zone is approximately one-tenth of the flow rate of the liquid through said primary apertures from said mid-zone.
- 20 21. A method for dispersing liquid to a container containing an adsorbent material, said method comprising:
 - a. obtaining a source of the liquid;
 - b. connecting a nozzle to said source of the liquid, wherein said nozzle includes a dispersal face that has an outer perimeter, a center point, and defines primary apertures approximately equidistant from said outer perimeter and said center point; and
 - 25 c. dispensing the liquid through said primary apertures to the container containing the adsorbent material.
22. The method of Claim 21, further including
 - a. connecting said nozzle to said source of the liquid, wherein said
 - 30 dispersal face further defines secondary apertures in said dispersal face between said primary apertures and said outer perimeter; and
 - b. dispensing the liquid through said secondary apertures to the container containing the adsorbent material.

23. The method of Claim 22, further including dispensing approximately the same amount of liquid to the container from said secondary apertures as from said primary apertures.
- 5 24. The method of Claim 22, further including dispensing more of the liquid to the container through said primary apertures than through said secondary apertures.
25. The method of Claim 22, further including dispensing approximately twice as much liquid to the container through said primary apertures than through said secondary apertures.
- 10 26. The method of Claim 21, further including
- a. connecting said nozzle to said source of the liquid, wherein said dispersal face further defines a tertiary aperture in said dispersal face between said primary apertures and said center point; and
 - b. dispensing the liquid through said tertiary aperture to the container.
- 15 27. The method of Claim 26, further including dispensing more of the liquid to the container through said primary apertures than through said tertiary aperture.
28. The method of Claim 26, further including dispensing approximately ten times as much liquid to the container through said primary apertures than through said tertiary aperture.
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